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1615
APS

Atty. Docket No.: 4231/2002 PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Zhang, et al.
Serial No.: 10/085,783
Filed: February 28, 2002
Entitled: Compositions and Methods Relating
to Osteoarthritis

Examiner: Not yet assigned

Group Art Unit: 1615

Conf. No.: 8718

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TECH CENTER 1600/2900

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Kathleen Williams

Name of Person Mailing Paper

[Handwritten signature]
Signature of Person Mailing Paper

Commissioner for Patents
Washington, D.C. 20231

TRANSMITTAL LETTER

Enclosed for filing in the above-identified patent application, please find the following documents:

1. Information Disclosure Statement;
2. Form PTO-1449;
3. Copies of Cited References; and
4. Return Post Card.

The Commissioner for Patents is hereby authorized to charge any additional fees or credit any overpayment in the total fees to Deposit Account No. 16-0085, Reference No. 4231/2002. A duplicate of this transmittal letter is enclosed for this purpose.

Respectfully submitted,

[Handwritten signature]
Name: Kathleen M. Williams
Registration No.: 34,380
Customer No.: 29933
Palmer & Dodge LLP
111 Huntington Avenue
Boston, MA 02199-7613
Tel: 617-239-0100

Date: August 21, 2002



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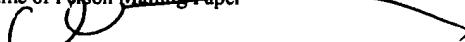
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Kathleen Williams
Name of Person Mailing Paper


Signature of Person Mailing Paper

Commissioner for Patents
Washington, D.C. 20231

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §§ 1.56, 1.97 AND 1.98**

Dear Sir:

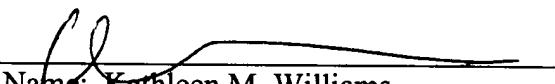
In accordance with the duty of disclosure under 37 CFR § 1.56, Applicant submits this Information Disclosure Statement pursuant to 37 CFR §§ 1.97 and 1.98 in the above-identified application for consideration by the Patent Office. A listing of the cited documents is also enclosed, as well as, for the Examiner's convenience, copies of the documents in the list. Pursuant to CFR § 1.97(b)(3), because this Statement is being submitted before the first Office Action on the merits, no fee is required.

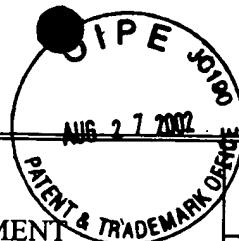
Applicant does not intend to represent that any of the documents submitted herein are material prior art to this invention or that the list represents an exhaustive search of documents related to this invention.

Applicant respectfully requests that the documents submitted herein be considered and made of record in this application.

Respectfully submitted,

Date: August 21, 2002


Name: Kathleen M. Williams
Registration No.: 34,380
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Patent and Trademark Office

INFORMATION DISCLOSURE STATEMENT

Attorney Docket No.

Serial No.

4231/2002

10/085 783

Applicant(s): Zhang, et al.

Filing Date: February 28, 2002

Group: 1615

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

- ✓ 1. Kumar et al., (2001), "Identification and Initial characterization of 5000 expressed sequenced tags (ESTs) each from adult human normal and osteoarthritic cartilage cDNA libraries," *Osteoarthritis and cartilage/OARS* V.9(7) p641-653.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

****Copies of references not provided at the time of this submission**